

Serial No.: New – PCT/ JP2004/008512 Nat'l Phase
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Please replace the heading at page 20, line 1, with the following rewritten version:

WHAT IS CLAIMED IS: ~~Claims~~

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A rotary fluid machine comprising:

a cylinder ~~1e~~ having a cylinder body 2 and first and second plates ~~7 and 8~~ arranged at ~~both~~ first and second end ~~surfaces~~ portions of the cylinder body 2, respectively, one of the first and second plates ~~7 and 8~~ having a high pressure port ~~10~~; and

a roller ~~3~~ ~~placed~~ disposed in the cylinder ~~1e~~ and having first and second end surfaces,
wherein

the first and second end surfaces of the roller ~~3~~ ~~which are~~ slidably in contact with
contacting the first and second plates, respectively, 7 and 8 of the cylinder 1e have different
widths and

the roller ~~3~~ ~~is arranged such that~~ one of the first and second end surfaces ~~7 and 8~~
having a larger width than ~~the width of the other end surface faces~~ being disposed to face the
high pressure port ~~10~~.
2. (Currently Amended) A The rotary fluid machine according to claim 1,
wherein

the roller ~~3~~ is made of a sintered alloy.
3. (Currently Amended) A The rotary fluid machine according to claim 1,
wherein

the cylinder ~~1e~~ includes ~~two~~ first and second cylinder bodies ~~25 and 26~~, and a partition plate ~~27~~ sandwiched between the first and second cylinder bodies, ~~25 and 26~~ and the first and second end plates ~~7 and 8~~ are arranged outside the first and second cylinder bodies ~~are provided as the plates~~,

~~the roller 3 is arranged in each of the cylinder bodies 25 and 26 to have a difference in rotational phase,~~

the first and second end plates ~~7 and 8~~ are each provided with a high pressure ports ~~10, respectively,~~

~~the end surfaces of each of the rollers 3 which~~ the roller includes first and second roller portions that are disposed in the first and second cylinder bodies, respectively, each of the roller portions are slidably in contact with one of the first and second plates 7 or 8 and with the partition plate, 27 of the cylinder 1e have different widths and

~~each of the rollers 3 is arranged such that one of the first and second roller portions has an end surfaces having with a larger width that faces a respective one of the first and second end plates 7 or 8 and the other another end surface having with a smaller width that faces the partition plate 27 , the first and second roller portions have a difference in rotational phase.~~

4. (Currently Amended) A The rotary fluid machine according to claim 1,
wherein

the cylinder ~~1e~~ is arranged in an airtight container ~~9~~ and includes ~~two~~ first and second cylinder bodies ~~25 and 26~~, and a partition plate ~~27~~ sandwiched between the first and second

cylinder bodies, ~~25 and 26~~ and the first and second end plates 7 and 8 are arranged outside
the first and second cylinder bodies ~~25 and 26~~ are provided as the plates,

the roller 3 is arranged in each of the cylinder bodies ~~25 and 26~~,

the first and second end plates ~~7 and 8~~ are each provided with a high pressure ports
~~10~~, respectively,

~~the end surfaces of each of the rollers 3 which~~ the roller includes first and second
roller portions that are disposed in the first and second cylinder bodies, respectively, each of
the roller portions are slidably in contact with one of the first and second plates ~~7 or 8~~ and
with the partition plate, 27 of the cylinder 1 are provided with the first and second roller
portions include first and second cut portions ~~3a and 3b~~, respectively, ~~such that one of the~~
each of the first and second roller portions has an end surfaces facing ~~the~~ a respective one of
the first and second end plates ~~7 or 8~~ that has a larger width than ~~the~~ a width of the other
another end surface facing the partition plate ~~27~~ and

a gas discharged through the high pressure ports ~~10~~ is temporarily retained in the
airtight container ~~9~~.